

ABSTRACT

The present invention is directed to an audio signal reproducing system comprising a speaker system including at least two drive units or more which are divided or separated by frequency band. In this system (1), a signal processing unit (3) serves to add inverse characteristic to an inputted digital audio signal as correction characteristic of impulse response of speaker system (7). Thereafter, a D/A converter converts the digital audio signal thus obtained back into an analog signal. A power amplifier (5) amplifies the analog signal thus obtained to deliver the analog signal thus amplified to the speaker system (7). The speaker system (7) outputs a signal at low frequency band that a LPF (8) has passed as sound wave of low pitched sound from drive surface (9a) of a low frequency drive unit (9), and outputs a signal at high frequency band that a HPF (10) has passed as sound wave of high pitched sound from drive surface (11a) of a high frequency drive unit (11).